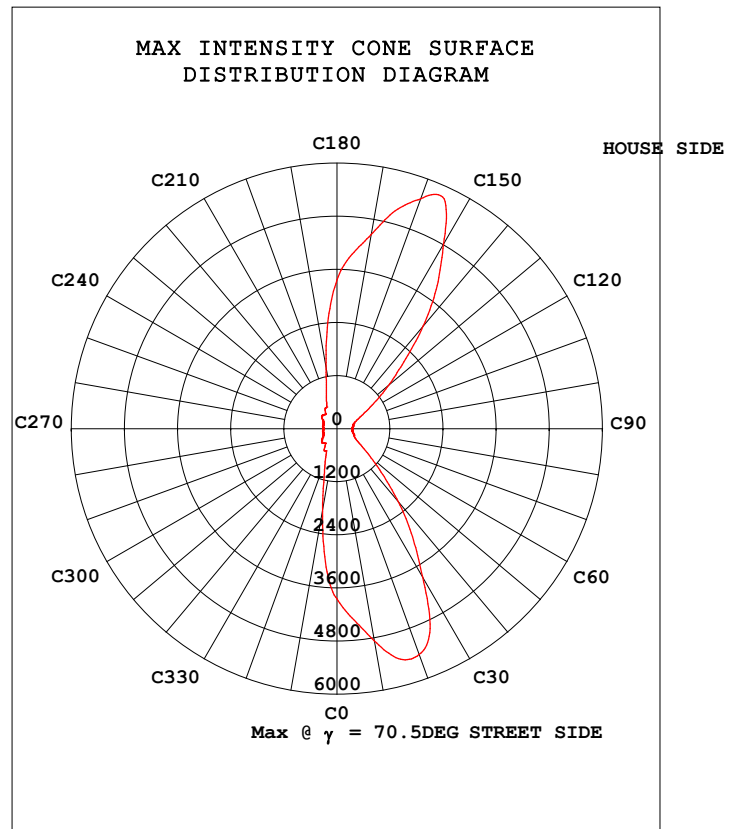
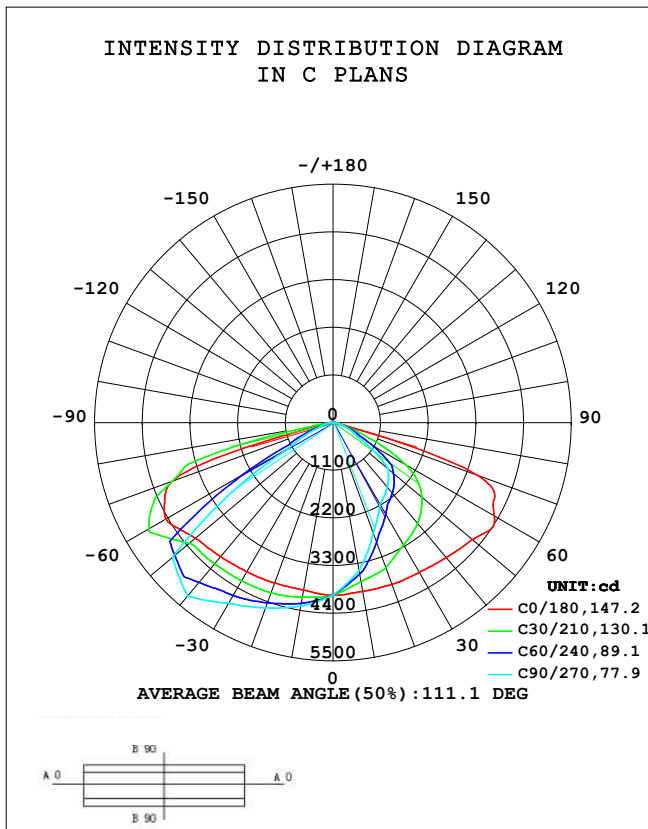


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.4242A P:91.79W PF:0.9796 Lamp Flux:14223.3x1 lm					
NAME: OPCITYIII-90W-4070-6C1T3M-0612			TYPE:LED		WEIGHT:
SPEC.:			DIM.: 0.46X0.236X0.04		SERIAL No.:1
MFR.: LUXSUN			SUR.:0.17X0.17		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.95 lm/W			
MODEL	LED	Imax (cd)	5731	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	90	LOR (%)	100.0	$\eta$ street_down (%)	50.8
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14223	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	14223.3	MAXIMUM @ (C, $\gamma$ )	155,70.5	$\eta$ house_down (%)	49.2
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	18.097



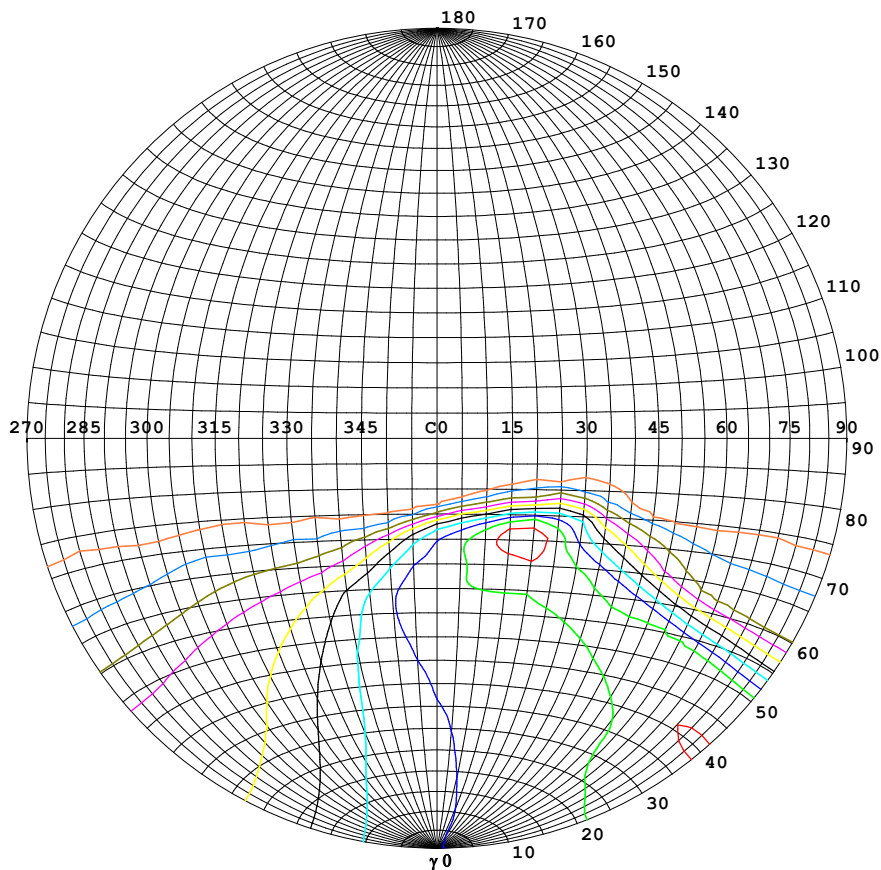
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.4242A P:91.79W PF:0.9796 Lamp Flux:14223.3x1 lm		
NAME: OPCITYIII-90W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



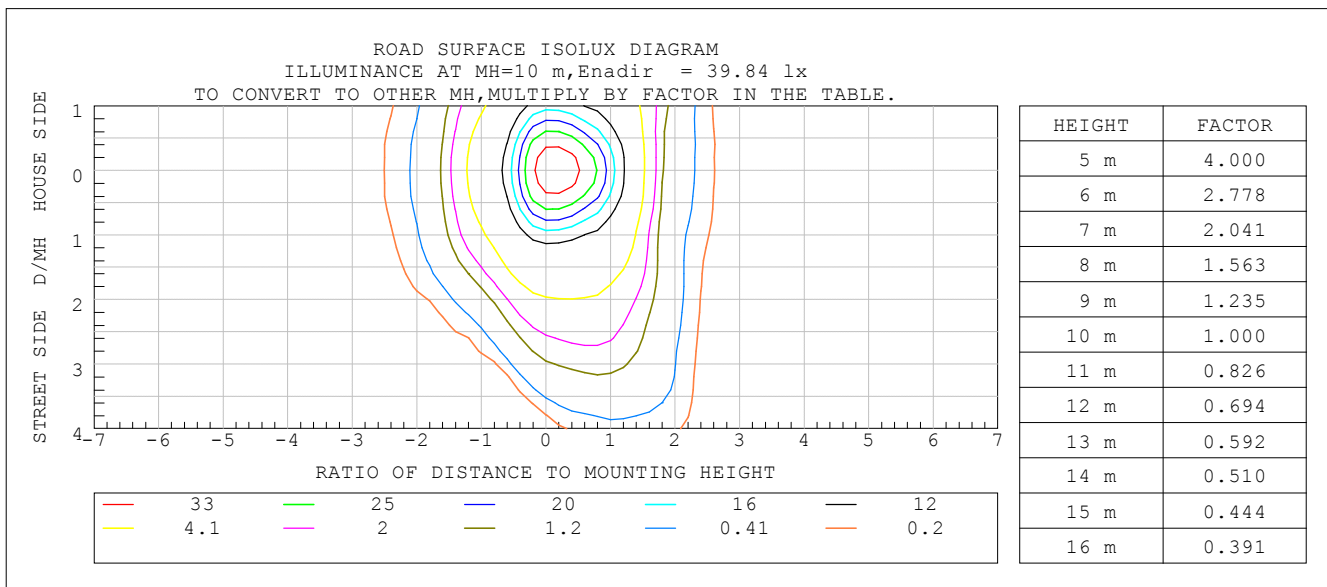
## Classification:

IES:Type IV - Medium  
CIE:Broad - Long  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:65.34cd/klm  
Max.At90:3.740cd/klm  
Max.80-90:65.34cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	5731
90%	5158
80%	4585
70%	4012
60%	3439
50%	2866
40%	2292
30%	1719
20%	1146
10%	573
5%	287

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.4242A P:91.79W PF:0.9796 Lamp Flux:14223.3x1 lm		
NAME: OPCITYIII-90W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

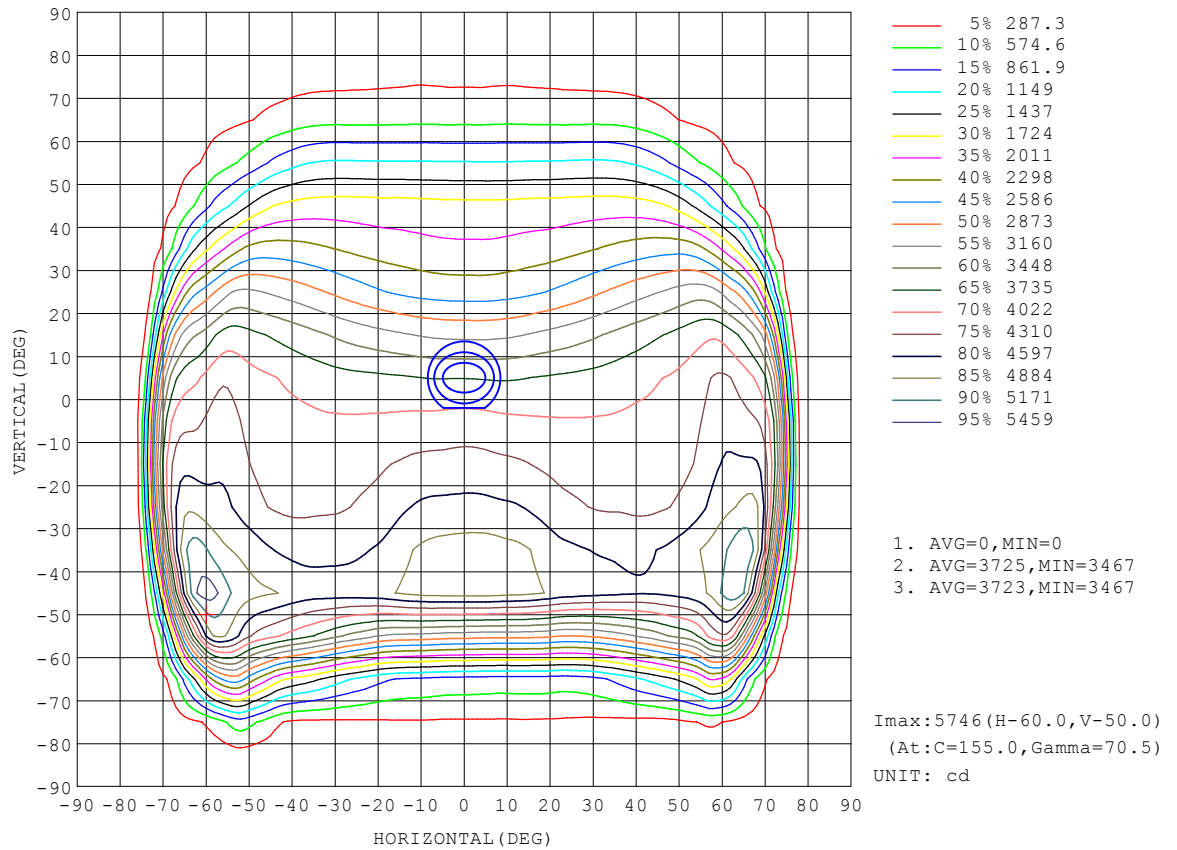
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	3959	4082	4142	4086	3968	3800	3726	3793	0- 5	94.64	94.64	0.67,0.67
10	3926	4162	4299	4178	3954	3627	3468	3612	5- 10	280.3	375.0	2.64,2.64
15	3926	4248	4423	4278	3962	3466	3089	3444	10- 15	459.6	834.6	5.87,5.87
20	3938	4307	4547	4338	3973	3220	2710	3208	15- 20	628.3	1463	10.3,10.3
25	3959	4342	4679	4378	3983	2977	2444	2980	20- 25	785.8	2249	15.8,15.8
30	3974	4367	4811	4376	3991	2781	2177	2788	25- 30	934.2	3183	22.4,22.4
35	4001	4375	5018	4359	4022	2597	2067	2602	30- 35	1075	4258	29.9,29.9
40	4041	4413	5225	4364	4064	2407	1957	2414	35- 40	1213	5471	38.5,38.5
45	4085	4598	5030	4520	4126	2279	1813	2280	40- 45	1339	6810	47.9,47.9
50	4150	4820	4835	4717	4202	2090	1669	2091	45- 50	1440	8250	58.58
55	4304	4652	2998	4745	4370	1845	1168	1859	50- 55	1478	9727	68.4,68.4
60	4453	4256	1160	4635	4298	1503	666.6	1531	55- 60	1366	11093	78.78
65	4288	2786	759.4	3598	4117	926.1	495.2	953.6	60- 65	1162	12255	86.2,86.2
70	3952	1573	358.6	2307	3542	471.9	323.8	490.7	65- 70	969.2	13225	93.93
75	1305	418.4	254.6	664.1	496.9	247.5	217.8	249.1	70- 75	666.3	13891	97.7,97.7
80	159.6	182.8	150.5	296.4	133.9	146.2	111.9	140.2	75- 80	255.0	14146	99.5,99.5
85	84.04	49.53	0	53.61	56.43	39.03	0	34.96	80- 85	67.92	14214	99.9,99.9
90	53.19	0	0	0	46.27	0	0	0	85- 90	9.499	14223	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-26

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

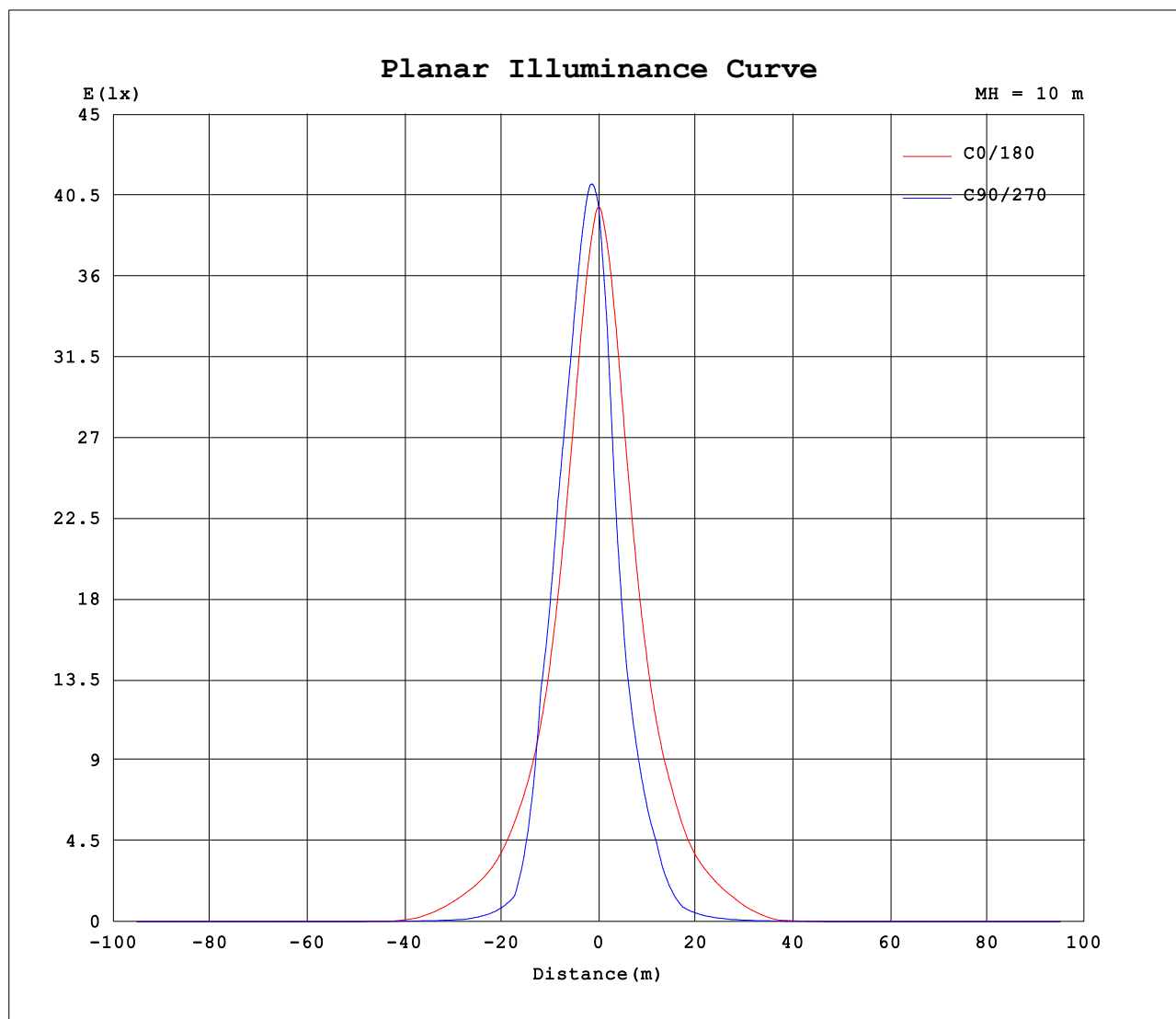
Test:U:220.9V I:0.4242A P:91.79W PF:0.9796 Lamp Flux:14223.3x1 lm		
NAME: OPCITYIII-90W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



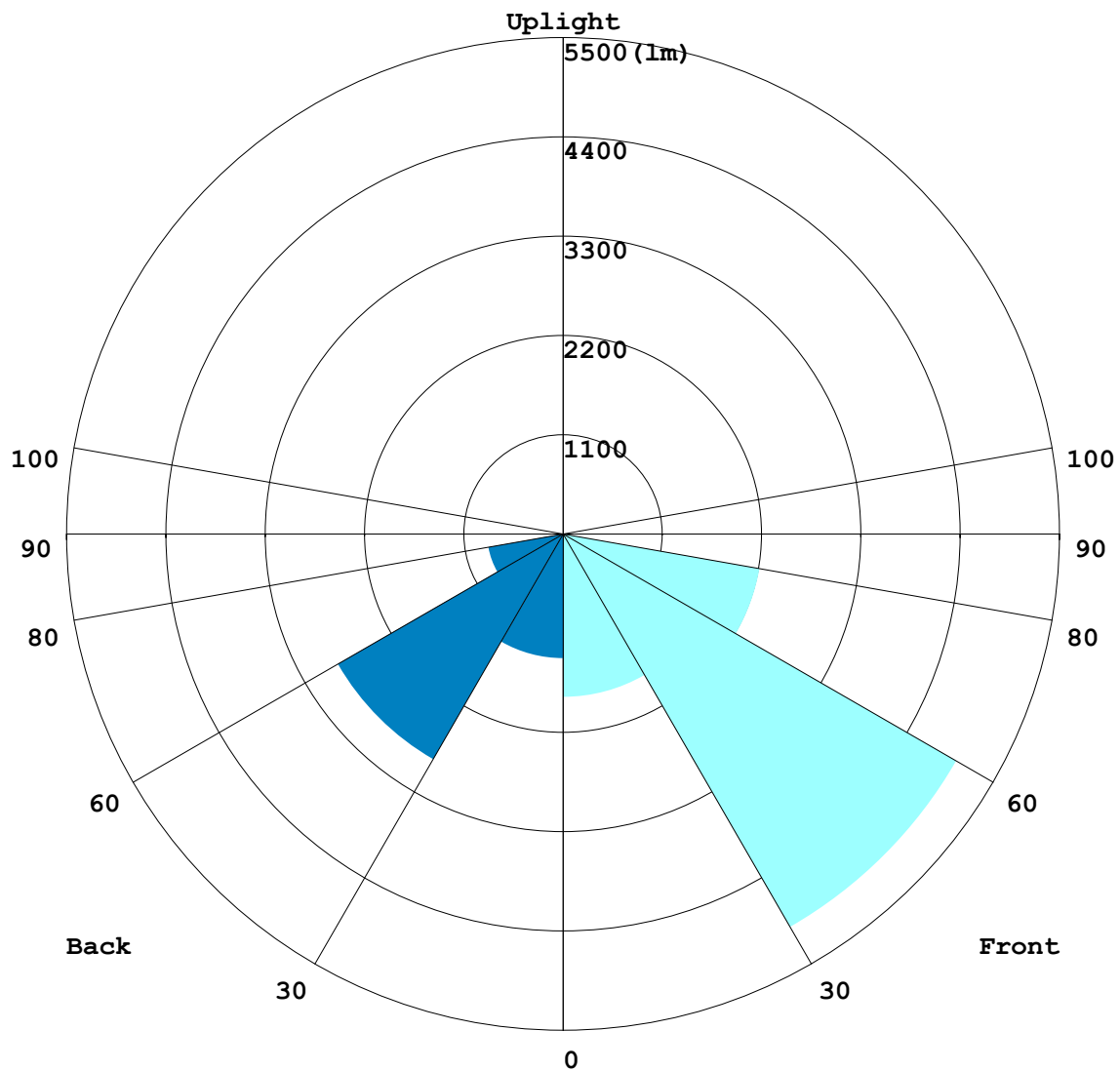
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.9V I:0.4242A P:91.79W PF:0.9796 Lamp Flux:14223.3x1 lm		
NAME: OPCITYIII-90W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.9V I:0.4242A P:91.79W PF:0.9796 Lamp Flux:14223.3x1 lm		
NAME: OPCITYIII-90W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1805.8	12.7
FM - Front-Medium(30-60)	5029.5	35.4
FH - Front-High(60-80)	2211.8	15.6
FVH - Front-Very High(80-90)	50.203	0.4
Total Forward Light	9097.4	64.0

BL - Back-Low(0-30)	1377.1	9.7
BM - Back-Medium(30-60)	2880.8	20.3
BH - Back-High(60-80)	840.87	5.9
BVH - Back-Very High(80-90)	27.219	0.2
Total Back Light	5126	36.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5126	0	5126
Street Side	9097.4	0	9097.4

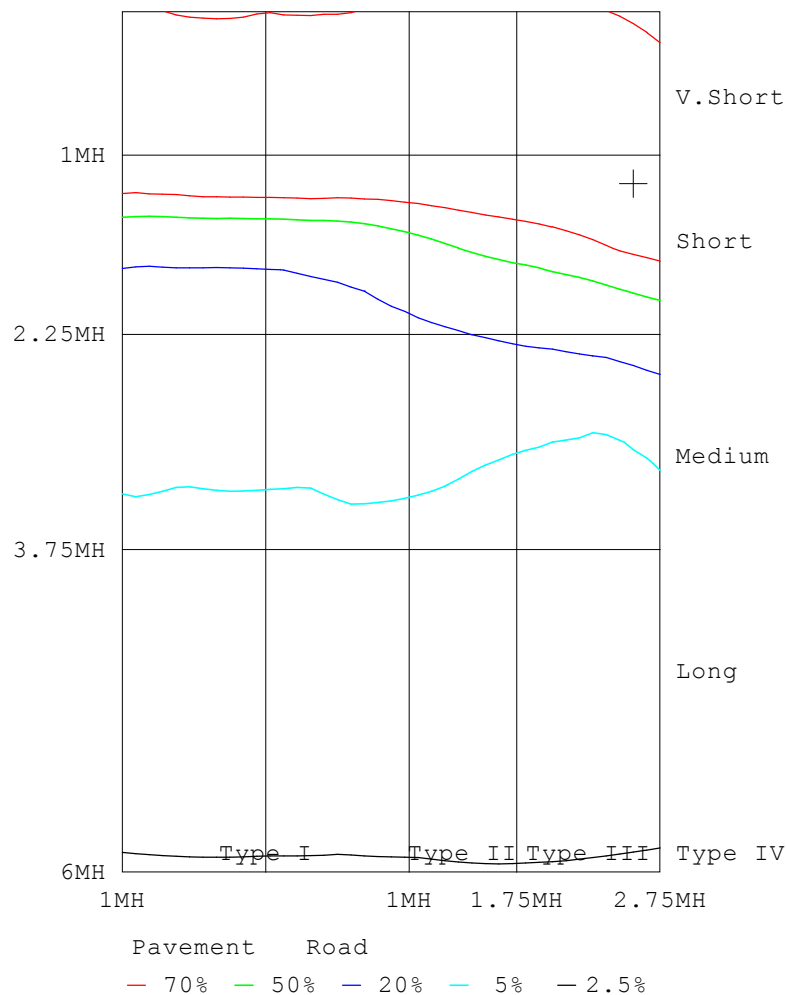
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.4242A P:91.79W PF:0.9796 Lamp Flux:14223.3x1 lm		
NAME: OPCITYIII-90W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-26

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```